

Amend filed?
9/28/04
of which Office
action of
12/15/04
is based
upon,

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended)

~~Medium A medium for cultivating and producing mites, and especially mites belonging to at least one of the following species group consisting of Dermatophagoids pteronyssinus, Dermatophagoides farinae, Blomia kulagini or tropicalis, Pyroglyphus africanus, and Euroglyphus maynei, characterized in that which~~ is free from human or animal elements or proteins and comprises in effective amount amounts a plurality of amino acids in particulate form with a particle size of less than 250 µm, or in lyophilized form.

NOT substances which appear in other amends impurely

Claim 2 (currently amended)

Medium according to The medium of claim 1, characterized in that which it comprises amino acids obtained by grinding amino acids.

Claim 3 (currently amended)

Medium according to The medium of claim 2, characterized in that which it comprises lyophilised lyophilized amino acids and/or amino acids obtained commercially.

Claim 4 (currently amended)

Medium according to The medium of claim 1, characterized in that which it comprises lyophilised lyophilized amino acids and amino acids obtained commercially.

Claim 5 (currently amended)

~~Medium according to The medium of claim 1, characterized in that wherein it~~
contains salts.

Claim 6 (currently amended)

~~Medium according to The medium of claim 1, characterized in that wherein~~ the
mixture of amino acids contains at least 50% of amino acids which naturally make up
proteins or the equivalents thereof.

Claim 7 (currently amended)

~~Medium according to The medium of claim 1, characterized in that wherein~~ the
mixture of amino acids reproduces the spectrum of amino acids that make up keratin or
the stratum corneum.

Claim 8 (currently amended)

~~Medium according to The medium of claim 1, characterized in that wherein~~ the
mixture of amino acids reproduces the spectrum of amino acids present in shrimp eggs or
in soya.

Claim 9 (currently amended)

~~Medium according to The medium of claim 7, characterized in that wherein~~ the
respective proportions of the amino acids are similar to the quantitative proportions of the

amino acids and salts in ~~substances such as~~ keratin or the stratum corneum or shrimp eggs or soya.

Claim 10 (currently amended)

~~Medium according to The medium of claim 8, characterized in that wherein the respective proportions of the amino acids are similar to the quantitative proportions of the amino acids and salts found in a substance selected from the group consisting of substances such as keratin, or the stratum corneum, or shrimp eggs and or soya.~~

Claim 11 (currently amended)

~~Medium according to The medium of claim 1, characterized in that which it also contains other conventional elements of nutrient media for mites, intended to provide supplementary nutrition and/or give the medium a texture suitable for the development and multiplication of the mites.~~

Claim 12 (currently amended)

~~Medium according to The medium of claim 11, characterized in that which it also contains wheat germs and/or yeast, especially baker's yeast, and/or cyanocobalamin and/or d-biotin.~~

Claim 13 (currently amended)

~~Medium according to The medium of claim 1, characterized in that which it may contain contains soya.~~

Claim 14 (currently amended)

~~Medium according to The medium of claim 1, characterized in that which it contains at least 50% of the following amino acids:~~

- L-alanine
- L-arginine
- L-aspartic acid
- L-cysteine/cystine
- L-glutamic acid
- glycine
- L-histidine
- L-isoleucine
- L-leucine
- L-Lysine
- L-methionine
- L-phenylalanine
- L-proline
- L-serine

- L-threonine
- L-tryptophane
- L-tyrosine and
- L-valine.

Claim 15 (currently amended)

Medium according to The medium of claim 14, characterized in that which it
contains the amino acids in the following proportions, adding up to a total of
93.711 g:

- L-alanine	3.8 g
- L-arginine	4.2 g
- L-aspartic acid	5.2 g
- L-cysteine hydrochloride monohydrate expressed as L-cysteine/L-cystine	1.7 g
- L-glutamic acid	11.5 g
- glycine	2.7 g
- L-histidine	3.1 g
- L-isoleucine	5.0 g
- L-leucine	6.7 g
- L-lysine hydrochloride, expressed as L-lysine	5.0 g

- L-methionine	2.4 g
- L-phenylalanine	7.0 g
- L-proline	10.3 g
- L-serine	9.6 g
- L-threonine	3.8 g
- L-tryptophane	1.3 g
- L-tyrosine	0.6 g
- L-valine	5.5 g
- calcium chloride dehydrate	0.44g
- magnesium sulphate heptahydrate	0.493g
- sodium hydroxide	0.6 g
- potassium hydroxide	0.70 g <u>and</u>
- potassium chloride	0.078 g.

Claims 16 to 19 (canceled)

Claim 20 (new)

A medium of claim 1 wherein said mites belong to at least one of the following species: *Dermatophagoids pteronyssinus*, *Dermatophagoides farinae*, *Blomia kulagini* or *tropicalis*, *Pyroglyphus africanus*, and *Euroglyphus maynei*.

AMENDMENTS TO THE CLAIMS

Amends
filed 5/13/05

Claim 1 (currently amended)

A medium for cultivating and producing mites ~~group consisting of which is free~~ from human or animal ~~substances and comprising comprises~~ effective amounts[,] of a plurality of amino acids in particulate form with a particle size of less than 250 µm, or a ~~plurality of amino acids in lyophilised form.~~

Am.
Claim 1
NOT properly
amended

Claim 2 (previously presented)

The medium of claim 1, which comprises amino acids obtained by grinding amino acids.

Claim 3 (previously presented)

The medium of claim 2, which comprises lyophilized amino acids and/or amino acids obtained commercially.

Claim 4 (previously presented)

The medium of claim 1, which comprises lyophilized amino acids and amino acids obtained commercially.

Claim 5 (previously presented)

The medium of claim 1, wherein it contains salts.

Claim 6 (previously presented)

The medium of claim 1, wherein the mixture of amino acids contains at least 50% of amino acids which naturally make up proteins or the equivalents thereof.

Claim 7 (previously presented)

The medium of claim 1, wherein the mixture of amino acids reproduces the spectrum of amino acids that make up keratin or the stratum corneum.

Claim 8 (previously presented)

The medium of claim 1, wherein the mixture of amino acids reproduces the spectrum of amino acids present in shrimp eggs or in soya.

Claim 9 (previously presented)

The medium of claim 7, wherein the respective proportions of the amino acids of said mixture are similar to the quantitative proportions of the amino acids and salts in keratin or the stratum corneum or shrimp eggs or soya.

Claim 10 (previously presented)

The medium of claim 8, wherein the respective proportions of the amino acids of said mixture are similar to the quantitative proportions of the amino acids and salts found in a substance selected from the group consisting of keratin, the stratum corneum, or shrimp eggs and soya.

This claim
NOT previously
presented
and is
currently
amended
but not
properly

This
claim not
presented
please do
either

Claim 11 (canceled)

Claim 12 (previously presented)

The medium of claim 1, which also contains wheat germs and/or yeast, especially baker's yeast, and/or cyanocobalamin and/or d-biotin.

A gain
Claim not
Previously
presented

Claim 13 (previously presented)

The medium of claim 1, which contains soya.

Claim 14 (previously presented)

The medium of claim 1, which contains at least 50% of the following amino acids:

- L-alanine
- L-arginine
- L-aspartic acid
- L-cysteine/cystine
- L-glutamic acid
- glycine
- L-histidine
- L-isoleucine
- L-leucine
- L-Lysine

- L-methionine
- L-phenylalanine
- L-proline
- L-serine
- L-threonine
- L-tryptophane
- L-tyrosine and
- L-valine.

Note this claim
 (Previously presented & cancel)
 So why are marked up version of previous
 amt in this claim?

Claim 15 (previously presented)

The medium of claim 14, which contains the amino acids in the following proportions, adding up to a total of 93.711 g:

- L-alanine	3.8 g
- L-arginine	4.2 g
- L-aspartic acid	5.2 g
- L-cysteine hydrochloride monohydrate expressed as L-cysteine/L-cystine	1.7 g
- L-glutamic acid	11.5 g
- glycine	2.7 g
- L-histidine	3.1 g
- L-isoleucine	5.0 g
- L-leucine	6.7 g

- L-lysine hydrochloride, expressed as L-lysine	5.0 g
- L-methionine	2.4 g
- L-phenylalanine	7.0 g
- L-proline	10.3 g
- L-serine	9.6 g
- L-threonine	3.8 g
- L-tryptophane	1.3 g
- L-tyrosine	0.6 g
- L-valine	5.5 g
- calcium chloride dehydrate	0.44g
- magnesium sulphate heptahydrate	0.493g
- sodium hydroxide	0.6 g
- potassium hydroxide	0.70 g and
- potassium chloride	0.078 g.

Claims 16 to 19 (canceled)

Claim 20 (previously presented)

A medium of claim 1 wherein said mites belong to at least one of the following species: *Dermatophagoids pteronyssinus*, *Dermatophagoides farinae*, *Blomia kulagini* or *tropicalis*, *Pyroglyphus africanus*, and *Euroglyphus maynei*.

Omella, jlw:
8/5/05

CLAIM AMENDMENTS

1. (Currently Amended)

A medium for cultivating and producing mites free from
human or animal substances and comprising effective
amounts[[,]] of a plurality of amino acids in particulate
form with a particle size of less than 250 µm, or a
plurality of amino acids in lyophilised form.

2. (Previously Presented)

The medium of claim 1, which comprises amino acids
obtained by grinding amino acids.

3. (Previously Presented)

The medium of claim 2, which comprises lyophilized
amino acids and/or amino acids obtained commercially.

4. (Previously Presented)

The medium of claim 1, which comprises lyophilized
amino acids and amino acids obtained commercially.

5. (Previously Presented)

The medium of claim 1, wherein it contains salts.

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corrects amndt
of 5/13/05
but does
not

6. (Previously Presented)

The medium of claim 1, wherein the mixture of amino acids contains at least 50% of amino acids which naturally make up proteins.

7. (Previously Presented)

The medium of claim 1, wherein the mixture of amino acids reproduces the spectrum of amino acids that make up keratin or the stratum corneum.

8. (Previously Presented)

The medium of claim 1, wherein the mixture of amino acids reproduces the spectrum of amino acids present in shrimp eggs or in soya.

2.

9. (Previously Presented)

The medium of claim 7, wherein the respective proportions of the amino acids of said mixture are similar to the quantitative proportions of the amino acids and salts in keratin or the stratum corneum.

2 → 10. (Previously Presented)

The medium of claim 8, wherein the respective proportions of the amino acids of said mixture are similar to the quantitative proportions of the amino acids and salts found in a substance selected from the group consisting of shrimp eggs and soya.

This
claim was
cancelled
5/13/05
improperly

11. (Cancelled)

3 → 12. (Previously Presented)

The medium of claim 1, which also contains wheat germ and/or yeast, especially baker's yeast, and/or cyanocobalamine and/or d-biotin.

This claim
was cancelled
5/13/05
improperly

13. (Previously Presented)

The medium of claim 1, which contains soya.

14. (Previously Presented)

The medium of claim 1, which contains at least 50% of the following amino acids:

- L-alanine
- L-arginine
- L-aspartic acid
- L-cysteine/cystine
- L-glutamic acid
- glycine
- L-histidine
- L-isoleucine
- L-leucine
- L-Lysine
- L-methionine
- L-phenylalanine
- L-proline
- L-serine
- L-threonine
- L-tryptophane
- L-tyrosine and
- L-valine.

15. (Previously Presented)

The medium of claim 14, which contains the amino acids in the following proportions, adding up to a total of 93.711 g:

- L-alanine	3.8 g
- L-arginine	4.2 g
- L-aspartic acid	5.2 g
- L-cysteine hydrochloride monohydrate expressed as L-cysteine/L-cystine	1.7 g
- L-glutamic acid	11.5 g
glycine	2.7 g
- L-histidine	3.1 g
- L-isoleucine	5.0 g
- L-leucine	6.7 g
- L-lysine hydrochloride, expressed as L-lysine	5.0 g
- L-methionine	2.4 g
- L-phenylalanine	7.0 g
- L-proline	10.3 g
- L-serine	9.6 g
- L-threonine	3.8 g
- L-tryptophane	1.3 g
- L-tyrosine	0.6 g

- L-valine 5.5 g
- calcium chloride dehydrate 0.44g
- magnesium sulphate heptahydrate 0.493g
- sodium hydroxide 0.6 g
- potassium hydroxide 0.70g and
- potassium chloride 0.078g.

16-19 (Cancelled)

20. (Previously Presented)

A medium of claim 1, wherein said mites belong to at least one of the following species: *Dermatophagoids pteronyssinus*, *Dermatophagoides farinae*, *Blomia kulagini* or *tropicalis*, *Pyroglyphus africanus*, and *Euroglyphus maynei*.